

Message

From: Scott Mouw [smouw@recyclingpartnership.org]
Sent: 11/1/2019 11:18:43 AM
To: Bray, Brandon [Bray.Brandon@epa.gov]; Ganguli, Swarupa [Ganguli.Swarupa@epa.gov]; Trina Matta [trina.matta@greenblue.org]
CC: Debra Kantner [dkantner@erefndn.org]; srobinson@wm.com; brian_hawkinson@afandpa.org; will.sagar@serdc.org; Boxman, Suzanne [boxman.suzanne@epa.gov]; Vance, Ronald [Vance.Ronald@epa.gov]; Villamizar, Nicole [Villamizar.Nicole@epa.gov]
Subject: RE: TO SCHEDULE: AR Recycling System Mapping subgroup follow-up call

Hello all,

There is definitely a form of discards coming out of manufacturing or industrial facilities that are the exact same kinds of materials found in a retail, distribution centers, or even university or office settings, and they are often handled in the same way and by the same actors that serve those other sources (e.g., bottles and cans coming out of breakrooms, OCC out of loading docks, paper out of offices, etc, managed by private haulers). I would think these materials are represented in the statistics behind the Facts and Figures report (I always assumed they were) and so it seems they should be accounted for on the map.

In that respect I suggest that the circulating arrow should be removed or, alternatively, there should be another box representing the common discards generated in industrial facilities – maybe something like “industrial MSW.” You could still then also include an “industrial waste” box to recognize that industrial facilities reuse their own scrap.

Hope that does not muddy the waters!

Scott

From: Bray, Brandon <Bray.Brandon@epa.gov>
Sent: Thursday, October 31, 2019 8:15 PM
To: Ganguli, Swarupa <Ganguli.Swarupa@epa.gov>; Trina Matta <trina.matta@greenblue.org>
Cc: Debra Kantner <dkantner@erefndn.org>; srobinson@wm.com; brian_hawkinson@afandpa.org; will.sagar@serdc.org; Scott Mouw <smouw@recyclingpartnership.org>; Boxman, Suzanne <boxman.suzanne@epa.gov>; Vance, Ronald <Vance.Ronald@epa.gov>; Villamizar, Nicole <Villamizar.Nicole@epa.gov>
Subject: RE: TO SCHEDULE: AR Recycling System Mapping subgroup follow-up call

To add to Swarupa’s response, my recollection of the context in which the term “industrial (non-process)” came up in our first conversation during Resource Recycling is that there are instances where MSW generated at industrial facilities that was not part of the actual industrial processes happening at these facilities may be sent directly into new manufacturing processes rather than going through traditional MSW streams. I believe the specific example offered was paper mills receiving feedstock in the form of non-process wastes from other industrial sources (Brian, please correct me if I’m wrong here!).

My suggestion would be that the line be dashed to be consistent with our other uses of dashed lines on the map – some, but not all, industrial non-process wastes may follow this path; does this make sense to all of you? A related question would then be, should the arrow be circular (as it is right now), or should it instead go down the side of the map to the “manufacturers” layer?

-Brandon

Brandon Bray
Physical Scientist
U.S. EPA Office of Resource Conservation and Recovery

Resource Conservation and Sustainability Division
Sustainable Materials Branch
(703) 308-7253

From: Ganguli, Swarupa <Ganguli.Swarupa@epa.gov>
Sent: Thursday, October 31, 2019 6:03 PM
To: Trina Matta <trina.matta@greenblue.org>
Cc: Debra Kantner <dkantner@erefndn.org>; srobinson@wm.com; brian_hawkinson@afandpa.org; will.sagar@serdc.org; smouw@recyclingpartnership.org; Boxman, Suzanne <boxman.suzanne@epa.gov>; Vance, Ronald <Vance.Ronald@epa.gov>; Villamizar, Nicole <Villamizar.Nicole@epa.gov>; Bray, Brandon <Bray.Brandon@epa.gov>
Subject: RE: TO SCHEDULE: AR Recycling System Mapping subgroup follow-up call

Hi Trina –

Thanks for your response. The only definition I found for industrial non-process waste is from EPA's *1997 Recycling Measurement Guide*, which is as follows:

- **Industrial (non-process) Waste:** refers to nonhazardous wastes discarded at industrial sites from packaging and administrative sources. Examples include corrugated boxes, plastic film, wood pallets, lunchroom wastes, and office paper. *Excludes* industrial process wastes from manufacturing operations. (U.S. EPA, 1996b)

I would interpret this category as representing MSW waste from industrial sites. I am compiling a glossary of definitions that I will share once we start refining the map; at this point, we can re-visit some of these older definitions.

Kind regards,
Swarupa
Swarupa Ganguli, Measurement Team Lead
Resource Conservation Branch
EPA
(703) 308-0035

From: Trina Matta <trina.matta@greenblue.org>
Sent: Thursday, October 31, 2019 2:00 PM
To: Ganguli, Swarupa <Ganguli.Swarupa@epa.gov>
Cc: Debra Kantner <dkantner@erefndn.org>; srobinson@wm.com; brian_hawkinson@afandpa.org; will.sagar@serdc.org; smouw@recyclingpartnership.org; Boxman, Suzanne <boxman.suzanne@epa.gov>; Vance, Ronald <Vance.Ronald@epa.gov>; Villamizar, Nicole <Villamizar.Nicole@epa.gov>; Bray, Brandon <Bray.Brandon@epa.gov>
Subject: Re: TO SCHEDULE: AR Recycling System Mapping subgroup follow-up call

I think the Industrial (non-process) box could also be referring to things like plastic or steel or aluminum scrap, right? But I'm not clear what is meant by "non-process" so I may be wrong.

My vote is to leave the manufacturers line blank. Otherwise I would suggest renaming some of them. I consider plastic reclamation as well as steel and aluminum mills to be reprocessing rather than manufacturing. I think of packaging converters, molders, bottling plants, etc. as manufacturing.

On Wed, Oct 30, 2019 at 4:32 PM Ganguli, Swarupa <Ganguli.Swarupa@epa.gov> wrote:

Dear America Recycles Recycling System Mapping subgroup:

Thank you for your input to the recycling map last week. Please find attached an updated map with your revisions, well as a draft map in PNG format, which will give you an idea of what the final map will look like. We would appreciate your looking at the first map and providing clarifications/feedback on the following items:

- Is footnote 4 (mill direct) accurately represented by the arrow indicating direct sale from large generators to the manufacturing sector?
- Please clarify if the looped arrow on the industrial non-process box only applies to paper? If so, should the arrow be dotted to indicate the loop does not apply to all materials?
- Should we provide a list of specific manufacturers (glass processing, etc.) or leave the manufacturers line blank?

We are aware the PNG graph is still a draft and has some errors, so we will be working with our contractors to fix them. However, you are welcome to provide any general comments on this map as well.

Please send your comments **by or before COB November 1**, so we can finalize the map by next week.

Thank you again for all your efforts.

Kind regards,

Swarupa

Swarupa Ganguli, Measurement Team Lead

Resource Conservation Branch

EPA

(703) 308-0035

From: Ganguli, Swarupa

Sent: Tuesday, October 08, 2019 4:44 PM

To: Debra Kantner <dkantner@erefdn.org>; srobinson@wm.com; brian_hawkinson@afandpa.org; will.sagar@serdc.org; Trina Matta <trina.matta@greenblue.org>; smouw@recyclingpartnership.org

Cc: Boxman, Suzanne <boxman.suzanne@epa.gov>; Vance, Ronald <Vance.Ronald@epa.gov>; Villamizar, Nicole <Villamizar.Nicole@epa.gov>; Bray, Brandon <Bray.Brandon@epa.gov>

Subject: RE: TO SCHEDULE: AR Recycling System Mapping subgroup follow-up call

Dear America Recycles Recycling System Mapping subgroup:

We really appreciate your input during last week's call, and I believe we made great incremental progress on the map during our brainstorming session. I have attached the latest copy of the draft map for your reference, which Brandon kindly updated. We would like to have another one-hour discussion to finish the final portion of the map, as well as offer the opportunity to those of you who could not attend the last call to weigh in with your thoughts.

Here are potential windows of time for next week:

- 10/15 (Tuesday): 4:00-5:00 PM ET
- 10/16 (Wednesday): 2:00-3:00 PM ET
- 10/17 (Thursday): 2:00-3:00 PM or 3:00-4:00 PM ET
- 10/22 (Tuesday): 2:00-3:00 PM or 3:00-4:00 PM ET

Please reply back to me directly if you can make any of these times so we can schedule the next call.

Thank you again for your contribution to this important effort!

Best,

Swarupa

Swarupa Ganguli, Measurement Team Lead

Resource Conservation Branch

EPA

(703) 308-0035

From: Bray, Brandon <Bray.Brandon@epa.gov>

Sent: Thursday, September 19, 2019 9:55 AM

To: Debra Kantner <dkantner@erefdn.org>; srobinson@wm.com; brian_hawkinson@afandpa.org; will.sagar@serdc.org; Trina Matta <trina.matta@greenblue.org>; smouw@recyclingpartnership.org

Cc: Boxman, Suzanne <boxman.suzanne@epa.gov>; Ganguli, Swarupa <Ganguli.Swarupa@epa.gov>; Vance, Ronald <Vance.Ronald@epa.gov>; Villamizar, Nicole <Villamizar.Nicole@epa.gov>

Subject: TO SCHEDULE: AR Recycling System Mapping subgroup follow-up call

Dear America Recycles Recycling System Mapping subgroup,

Thank you again for a productive conversation at Resource Recycling! We made some very good progress towards mapping out the U.S. recycling system. Since our meeting in New Orleans, I have cleaned up what we started drafting; see attached. I've put what we discussed in a few different formats (high-level, full system, and step-by-step) to help think through gaps in a couple different ways.

As far as next steps for this conversation, we are hoping to set up one or more opportunities for this group (or subsets of this group, per availability) to meet remotely leading up to the next AR Measurement Workgroup meeting on 10/3 (1-2:30 PM ET). Please complete the Doodle at this link so we can try to coordinate one or two times next week: <https://doodle.com/poll/cpyawivxxdg739k2> (Note that all of the times in this poll are Eastern!)

Leading up to our meeting(s) next week, it would be immensely helpful if you all could look over the cleaned-up version of our brainstorming map that I've attached and start thinking through (1) any gaps in the layers that we've already discussed; (2) nodes to fill in the layers that we've not yet discussed; and (3) solutions to the questions identified on slide 2.

Looking forward to continuing this valuable conversation with all of you!

-Brandon

Brandon Bray

Physical Scientist

U.S. EPA Office of Resource Conservation and Recovery

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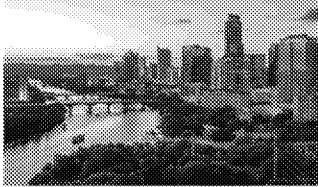
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